

## **Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

### **Listing of Claims:**

1. (Previously Presented) A method for network management comprising:

loading, by a network management engine, a first component for execution;

linking, by the network management engine, the first component to a network, wherein the first component is one of a plurality of components linked to the network;

modifying, by the network management engine, operating parameters of the first component;

tracking changes to a plurality of components in the network through the network management engine;

modifying tracking information for ~~tracking the plurality of a second component~~ components by the network management engine, wherein the second component is one of the plurality of components;

implementing tracking modifications to the second component made by the network management engine on the network;

detecting a failing component based at least in part on the tracking changes;

in response to the detecting, the network management engine automatically:

and

performing an impact analysis to identify related components, wherein said related components are part of the plurality of components and, wherein said related components are associated with said failing component through the tracking information;

generating a problem ticket in response to the detecting, wherein the problem ticket comprises tracking information related to the failing component, wherein the failing component is one of the plurality of components;

determining an owning group of the failing component based upon the tracking information; and

routing the problem ticket to the owning group; and

tracking repair status information for repairing the failing component; and  
automatically comparing the repair status information to a pre-established service level agreement specifying a level of service expected for repair of the failing component by the owning group.

Claims 2 - 3 (Canceled).

4. (Previously Presented) The method of Claim 1 wherein one or more of the plurality of components is accessible to users on the network.

5. (Currently Amended) The method of Claim 3 1 wherein the changes to the plurality of components comprises at least one of adding, dividing, multiplying, recompiling, recoding and removing of a component.

6. (Currently Amended) A computer-readable medium tangibly embodying having stored

~~thereon~~ a plurality of instructions, the plurality of instructions comprising:

~~instructions to add, by a network management engine, a component to a network;~~

~~instructions to receive changes to the component at the network management engine;~~

~~instructions to track the changes to the component;~~

~~instructions to generate network management information related to the component and the tracking changes;~~

~~instructions to detect that the component is failing based at least in part on the tracking changes and generating a problem ticket in response to the detecting, wherein the problem ticket comprises information related to the failing component;~~

~~instructions to determine an owning group of the failing component and routing the problem ticket to the owning group; and~~

~~instructions to track repair status information for repairing the failing component and comparing the repair status information to a pre-established service level agreement specifying a level of service expected for repair of the failing component by the owning group.~~

instructions to load a first component for execution;

instructions to link the first component to a network, wherein the first component is one of a plurality of components linked to the network;

instructions to modify operating parameters of the first component;

instructions to track changes to a plurality of components in the network through the network management engine;

instructions to modify tracking information for a second component by the network management engine, wherein the second component is one of the plurality of components;

instructions to implement tracking modifications to the second component made by the network management engine on the network;

instruction to detect a failing component based at least in part on the tracking changes;

instructions to respond to a detection of the failing component by automatically:

performing an impact analysis to identify related components, wherein said related components are part of the plurality of components and, wherein said related components are associated with said failing component through the tracking information;

generating a problem ticket, wherein the problem ticket comprises tracking information related to the failing component, wherein the failing component is one of the plurality of components;

determining an owning group of the failing component based upon the tracking information; and

routing the problem ticket to the owning group; and

instructions to track repair status information for repairing the failing component; and

instructions to automatically compare the repair status information to a pre-established service level agreement specifying a level of service expected for repair of the failing component by the owning group.

7. (Currently Amended) The method according to Claim 6, wherein the instructions to modify tracking information ~~network management information~~ includes assigning metrics to the changes to the tracking information.

8. (Canceled).

9. (Currently Amended) A network management system configured to that comprises:

~~a mechanism, used by a network management engine, for loading a component for execution;~~

~~a mechanism, used by the network management engine, for linking the component to a network;~~

~~a mechanism, used by the network management engine, for modifying operating parameters of the component;~~

~~a mechanism for accessing the network management engine;~~

~~a mechanism for tracking changes to a plurality of components in the network through the program network management engine;~~

~~a mechanism for modifying tracking information for tracking the plurality of components using the network management engine;~~

~~a mechanism for implementing tracking modifications made through the network management engine on the network;~~

~~a mechanism for detecting a failing component based at least in part on the tracking changes;~~

~~a mechanism for generating a problem ticket in response to the detecting, wherein the problem ticket comprises information related to the failing component;~~

~~a mechanism for determining an owning group of the failing component and routing the problem ticket to the owning group; and~~

~~a mechanism for tracking repair status information for repairing the failing component and comparing the repair status information to a pre-established service level agreement specifying a level of service expected for repair of the failing component by the owning group.~~

load a first component for execution;

link the first component to a network, wherein the first component is one of a plurality of components linked to the network;

modify operating parameters of the first component;

track changes to a plurality of components in the network through the network management engine;

modify tracking information for a second component, wherein the second component is one of the plurality of components;  
implement tracking modifications to the second component;  
detect a failing component based at least in part on the tracking changes;  
in response to the detecting, the network management system is configured to:  
perform an impact analysis to identify related components, wherein said related components are part of the plurality of components and, wherein said related components are associated with said failing component through the tracking information;  
generate a problem ticket, wherein the problem ticket comprises tracking information related to the failing component, wherein the failing component is one of the plurality of components;  
determine an owning group of the failing component based upon the tracking information; and  
route the problem ticket to the owning group; and  
track repair status information for repairing the failing component; and  
automatically compare the repair status information to a pre-established service level agreement specifying a level of service expected for repair of the failing component by the owning group.

Claim 10 (Canceled).

11. (Previously Presented) The system of Claim 9 wherein the network management engine is configured to provide access to multiple subprograms.

12. (Previously Presented) The system of Claim 9 further comprising:

a mechanism for tracking information related to the changes in one or more components of the plurality of components.

13. (Previously Presented) The system of Claim 9 further comprising:

a mechanism for making changes to one or more components of the plurality of components, wherein the changes to the plurality of components comprises at least one of adding, dividing, multiplying, recompiling, recoding and removing of a component.

Claim 14 (Canceled).

15. (Currently Amended) The method of Claim 1, further comprising accessing two or more subprograms of the network to facilitate modifying operating parameters of the first component[[:]].

16. (Currently Amended) The method of Claim 1, further comprising selecting a region associated with the first component, wherein the region restricts modification rights associated with the first component.

17. (Previously Presented) The method of Claim 15, wherein the operating parameters comprise at least one of a subsystem assignment, component ownership information, component priority, desired failure processing time, component usage, and component access restrictions.

18. (Previously Presented) The method of Claim 17, wherein the operating parameters are based at least in part on the pre-established service level agreement.

19. (Currently Amended) The method of Claim 1, further comprising:

monitoring the first component in response to the loading of the first component;  
notifying an owner of the first component in response to a failure associated with the first component; and  
automatically accepting the loading of the first component in response to a lack of a failure to associate with the first component.

20. (Previously Presented) The method of Claim 1, further comprising modifying the plurality of components in a real-time batch process.
21. (Currently Amended) The method of Claim 20, including moving the first component to a different subsystem of the network.
22. (Previously Presented) The method of Claim 1, further comprising grouping the network into containers to facilitate collation of the plurality of components.
23. (Previously Presented) The method of Claim 1, wherein the network management engine is accessible using a web-based interface.
24. (Previously Presented) The method of Claim 1, wherein the tracking changes further comprises updating a database with the changes to the plurality of components, wherein the database is configured to store the changes to the plurality of components in the network.